Description of the course of the Plant Ecology

Course Name
Plant Ecology
CourseCode
PLAE212
Semester/ Year
Second / 2025
Date of preparation of this description
15 January 2025
Available attendance forms
Full-time (theoretical lecture and practical lecture) weekly
Number of Credit Hours (Total)/ Number of Units (total)
2 theoretical hours and 3 working hours per week for 14 weeks, the number of units is 3.5 units
Name of the course administrator (if more than one name is mentioned)
:Dr. Hassan Ali Majeed Email: hasanmajeed@uodiyala.edu.iq Nabil Ibrahim Mohamed
Course Objectives

Course objective	1- Plant ecology is concerned with the study of plants as they relate to each other and as they relate to the conditions of the environment in which they live. " It deals with the study of individual plants to find out their living conditions in their natural environments and the extent to which they are affected by the surrounding factors, and the extent to which they interact with them.

Teaching and Learning Strategies	
Strategy	• In-person lectures for 14 weeks, interspersed with two monthly exams, daily exams and scientific reports
Theoretical	
Course Structure	

Week	Credits	Intended Learning Outcomes	Module / Course Name or	Teaching*method	Evaluation Method
1	2	Introduction to Ecology	Plant Ecology	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
2	2	Importance of Environment	Plant Ecology	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
3	2	4.2. Climatic Factors	Plant Ecology	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
4	2	Lumen	Plant Ecology	Explanation and model presentation	Examinations

				and lecture Brainstorming Debating and discussing Brainstorming	Daily and Monthly Final and Reports day
5	2	Temperature	Plant Ecology	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
6	2	Test (1)	Plant Ecology	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
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7	2	fogs	Plant Ecology	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
8	2	Air	Plant Ecology	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day

9	2	Topographical Factors	Plant Ecology	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
10	2	Soil factors	Plant Ecology	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
11	2	fogs	Plant Ecology	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
12	2	Test _0002	Plant Ecology	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
13	2		Plant Ecology	Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day

14	2			Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day
15	2			Explanation and model presentation and lecture Brainstorming Debating and discussing Brainstorming	Examinations Daily and Monthly Final and Reports day

Practical Part					
Week	**Credits**	**Intended Learning Outcomes**	**Name of the unit or course**	**Learning Method**	**Evaluation Method**
1	3	Ecology	Plant Ecology	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and
2	3	Psychrometry (Meteor.)	Plant Ecology	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and
3	3	Rain gauge	Plant Ecology	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and
4	3	Checked Warning type windshear detection system	Plant Ecology	Case history Brainstorming Debating and	Examinations Daily and Monthly
5	3	Quiz 1	Plant Ecology	Case history Brainstorming Debating and	Examinations Daily and Monthly

6		Salinization	Plant Ecology		Examinations Daily and Monthly
7	3	Vegetation	Plant Ecology	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and
8	3	soil moisture	Plant Ecology	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and
9	3	SECOND TEST	Plant Ecology	Case history Brainstorming Debating and	Examinations Daily and Monthly
10	3		Plant Ecology	Case history Brainstorming Debating and	Examinations Daily and Monthly
11	3		Plant Ecology	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and
12			Plant Ecology		
13	3			Case history Brainstorming Debating and	Examinations Daily and Monthly
14	3			Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and

Course Evaluation
Daily and monthly exams, reports and student effectiveness during the lecture .
Learning and Teaching Resources;

Required textbooks (methodology if any)	1- Plant Environment Book 2- Plant Ecology Kamal Hussain Shaltut 3- Plant Environment Hikmat Al-Ani
Key References (Sources)	Recent articles from the Internet, specialised scientific journals, the Journal of Agricultural Sciences - Iraq and the Virtual Library.
Recommended supporting books and references (scientific journals,	Iraqi academic scientific journals
E-References, Websites	. Plant ecology